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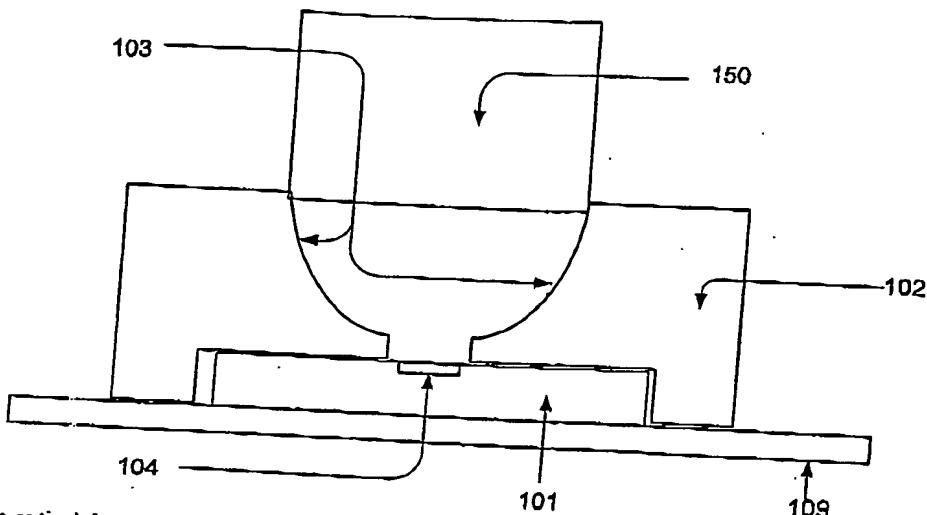
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(54) Title: OPTICAL DATA TRANSMISSION, OPTICAL DATA TRANSCEIVERS AND METHOD OF MANUFACTURING AND PACKAGING THEREOF



(57) Abstract: An optical data transceiver (100) comprises an integrated circuit (101), having provided on one side thereof a light sensing emitting means (104). A reflecting and receiving means (102), is mounted on the same surface of integrated circuit (101) as the light sensing or emitting means (104). The reflector means is open at both ends and has shaped and reflective internal surfaces (103). The reflecting and receiving means (102) is adapted at one end to receive a Plastic Optical Fibre (POF) (150) into connection therewith and at the other end is aligned with the light sensing or emitting means (104). In this way, the reflecting and receiving means is operable to direct light proceeding from the end of the fibre (150) to the light sensing means (104), or direct light from the light emitting means (104) to the end of the fibre (150), and is further operable to retain the POF (150) in position relative to the light sensing or emitting means (104).

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